

PHILLYSTRAN FOUR STRAND MOORING ROPES KEVLAR®/TWARON®/TECHNORA® (ARAMID)

Phillystran four strand ropes (PSFS) have been specifically designed for dock mooring lines, floating dry dock tending lines, breast lines, storm lines or any application requiring ropes that are easy to handle and splice. PSFS ropes consist of four aramid fiber strands around an independent synthetic core. Each strand is individually overbraided with alternating aramid and polyester yarns for added abrasion resistance.

PART NUMBER	BREAK STRENGTH		DIAMETER		CIRCUMFERENCE		WEIGHT		NSN #
	lb	kN	in	mm	in	mm	lb/1000 ft	kg/km	
PSFS 050	50,000	222	1	25	3-3/8	85	33	4.9	4020-01-338-7005
PSFS 060	60,000	267	1-1/8	28	3-1/2	89	37	5.5	4020-01-338-7499
PSFS 070	70,000	311	1-3/16	30	3-3/4	94	42	6.2	4020-01-338-7006
PSFS 096	96,000	427	1-5/16	33	4-1/8	105	50	7.5	4020-01-339-1571
PSFS 135	135,000	601	1-1/2	38	4-3/4	120	66	9.8	4020-01-338-7003
PSFS 180	180,000	801	1-3/4	44	5-3/8	136	86	12.8	4020-01-338-7007
PSFS 225	225,000	1,000	1-7/8	48	5-7/8	148	113	16.8	4020-01-339-5150
PSFS 280	280,000	1,245	2	51	6-1/4	160	142	21.1	4020-01-338-7008
PSFS 350	350,000	1,557	2-7/16	62	7-5/8	193	174	25.9	4020-01-338-7009
PSFS 420	420,000	1,868	2-5/8	67	8-3/16	207	210	31.2	4020-01-338-7010

Standard reel lengths are 600 feet
Weights and Dimensions can vary
Phillystran PSFS rope meets Commercial Item Description (CID) A-A-50435B Specification
Kevlar® is a Registered Trademark of Dupont
Twaron® is a Registered Trademark of Teijin Twaron B.V. LTD
Technora® is a Registered Trademark of Teijin, LTD

CAUTION:

Break Strength: The breaking strength of a rope is the load at which a new rope will break when tested under laboratory conditions. Break strength should not be mistaken for safe working load.

Safe Working Load: Because of the wide range of rope use, rope condition and the degree of risk of life or property, it is not possible to make a blanket recommendation for safe working load. It is ultimately dependent on the rope user to determine what percentage of break strength is their own safe working load.

Wear: Ropes wear out with use; the more severe the usage, the greater the wear. It is often not possible to detect wear on a rope by visible signs alone. Therefore, it is recommended that the rope user determine a retirement criteria for ropes in their application. For assistance in developing safe working load and retirement criteria for each application please call or write Phillystran.

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